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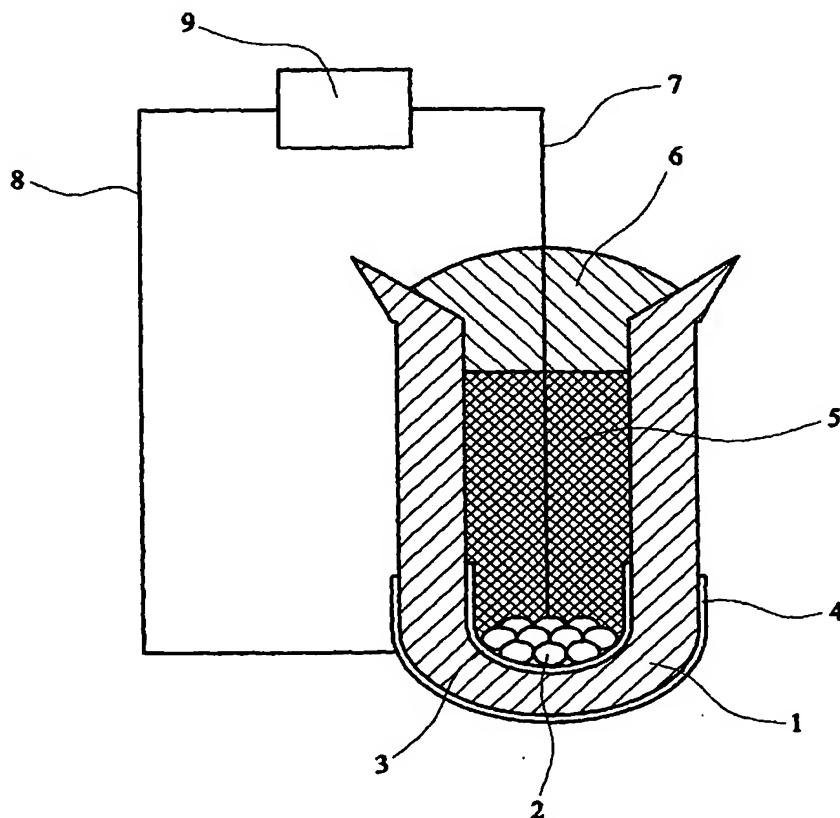
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(54) Title: HYDROGEN SENSING APPARATUS AND METHOD



(57) Abstract: An apparatus is provided for the accurate determination of hydrogen contents in fluid media at elevated temperatures. The apparatus consists of a proton conducting solid electrolyte (1) in contact with an internal metal/hydrogen reference standard (2), in which the electrolyte and the reference material are in a chemically stable contact. The electrical signal generated is a function of the hydrogen concentration on the measuring side.

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